

Receipt date: 05/19/2010

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

10729046 - GAU: 3774

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10729046	
	Filing Date		2003-12-05	
	First Named Inventor	Alexander M. Harmon		
	Art Unit	3774		
	Examiner Name	A. J. Stewart		
	Attorney Docket Number	022956-0235		

U.S. PATENTS							Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	
	1	3272204		1966-09-13	Artandi		

If you wish to add additional U.S. Patent citation information please click the Add button. [Add](#)

U.S. PATENT APPLICATION PUBLICATIONS							Remove
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	
	1						

If you wish to add additional U.S. Published Application citation information please click the Add button. [Add](#)

FOREIGN PATENT DOCUMENTS								Remove
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	03043674	WO	A1	2003-05-30	Childrens Medical Center		<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button. [Add](#)

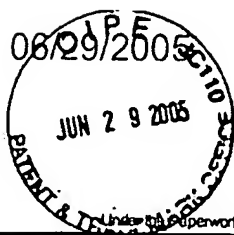
NON-PATENT LITERATURE DOCUMENTS			Remove
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵

Receipt date: 05/19/2010 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10729046	10729046 - GAU: 3774
	Filing Date		2003-12-05	
	First Named Inventor	Alexander M. Harmon		
	Art Unit	3774		
	Examiner Name	A. J. Stewart		
	Attorney Docket Number	022956-0235		

1	European Search Report for EP 08075114.2, mailed May 12, 2010.	<input type="checkbox"/>
If you wish to add additional non-patent literature document citation information please click the Add button <input type="button" value="Add"/>		
EXAMINER SIGNATURE		
Examiner Signature	/Alvin Stewart/	Date Considered 06/02/2010
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		
<small> ¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached. </small>		

Receipt date: 08/29/2005

10729046 - GAU: 3774



PTO/SB/08a/b (08-03)
Approved for use through 07/31/2008, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/729,046-Conf. #9312
				Filing Date	December 5, 2003
				First Named Inventor	Alexander M. Harmon
				Art Unit	3738
				Examiner Name	A. J. Stewart
Sheet	1	of	1	Attorney Docket Number	022956-0235

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		RU2187261	08-20-2002	PAVLOV VV		✓
		SU1535542	01-15-1990	KRASNOV, M.M. et al.		✓

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
		MEGUMI, M.D., YOSHIKAZU, "Augmentation Rhinoplasty with Soft Tissue and Cartilage" Aesthetic Plastic Surgery, 1988, pp 89-933				
		ECKERSBERGER, M.D., FRANZ, "Circumferential tracheal replacement with costal cartilage", The Journal of Thoracic and Cardiovascular Surgery, 1987;94: pp 175-180				
		TRENITE, M.D., G.J. NOLST et al., "Reimplantation of autologous septal cartilage in the growing nasal septum", Rhinology, 25, 1987, pp 225-236				
		BONISCH, M., et al. "Septumredonstrucktion mit PDS-Folie" HNO 47: 1999 pp 546-550				
		POWERS, DENNIS L. et al., "A cartilagenous graft as an adjunct to finger joint implant arthroplasty" Journal of Biomedical Materials Research, Vol. 19, 1985 pp 509-518				
		PAPADOPULOS, M.D., ANGEL, "Compound Implant to Project the Nasal Tip" Aesthetic Plastic Surgery, 1987, pp 181-185				
		ROHRBACH, JENS MARTIN et al., "Biological Corneal Replacement - Alternative to Keratoplasty and Keratoprosthesis? A Pilot Study with Heterologous Hyaline Cartilage in the Rabbit Model", Klin Monatsbl Augenheilkd 207, 1995; pp 191-196				
no date		MATSUO, M.D., KIYOSHI et al., "Semiquantitative Correction of Posttraumatic Enophthalmos with Sliced Cartilage Grafts" Plastic and Reconstructive Surgery, Vol. 83, No. 3, Posttraumatic Enophthalmos, pp 429-437				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Alvin Stewart/	Date Considered	04/06/2010
--------------------	-----------------	-----------------	------------

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

Receipt date: 01/08/2010

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

10729046 - GAI: 3774

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10729046
	Filing Date		2003-12-05
	First Named Inventor	Alexander M. Harmon	
	Art Unit	3774	
	Examiner Name	A. J. Stewart	
	Attorney Docket Number	022956-0235	

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS						
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS								
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²ⁱ	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	2143945	JP		1990-12-06	N/A		<input checked="" type="checkbox"/>
	2	0072782	WO	A1	2000-12-07	Smith & Nephew		<input type="checkbox"/>
	3	10234844	JP	A	1998-09-08	Gunze Kk		<input checked="" type="checkbox"/>

Receipt date: 01/08/2010 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10729046	10729046 - GAU: 3774
	Filing Date		2003-12-05	
	First Named Inventor	Alexander M. Harmon		
	Art Unit	3774		
	Examiner Name	A. J. Stewart		
	Attorney Docket Number	022956-0235		

	4	9939724	WO	A1	1999-08-12	Univ Oregon Health Sciences et al.	<input type="checkbox"/>
	5	2004008437	JP	A	2004-01-15	Olympus Corp	<input checked="" type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	Kurashina, K. et al. "Osteogenesis in muscle with composite graft of hydroxyapatite and autogenous calvarial periosteum: a preliminary report" Biomaterials (1995) Vol. 16, No. 2, pp 119-23.	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Alvin Stewart/	Date Considered	01/28/2010
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

Receipt date: 01/26/2010

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

10729046 - GAI: 3774

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10729046
	Filing Date		2003-12-05
	First Named Inventor	Alexander M. Harmon	
	Art Unit	3774	
	Examiner Name	A. J. Stewart	
	Attorney Docket Number	022956-0235 (MIT5023)	

U.S. PATENTS							Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	
	1	4344193		1982-08-17	Kenny		
	2	5007934		1991-04-16	Stone		
	3	6132468		2000-10-17	Mansmann		
	4	6156068		2000-12-05	Walter et al.		
	5	6242247		2001-06-05	Rieser et al.		
	6	6333029		2001-12-25	Vyakarnam et al.		
	7	6464729		2002-10-15	Kandel		
	8	6489165		2002-12-03	Bhatnagar et al.		

Receipt date: 01/26/2010 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10729046	10729046 - GAU: 3774
	Filing Date		2003-12-05	
	First Named Inventor	Alexander M. Harmon		
	Art Unit	3774		
	Examiner Name	A. J. Stewart		
	Attorney Docket Number	022956-0235 (MIT5023)		

	9	6551355		2003-04-22	Lewandrowski et al.	
	10	6886568		2005-05-03	Frondoza et al.	
	11	7208177		2007-04-24	Geistlich et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S.PATENT APPLICATION PUBLICATIONS

Remove

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20010016772	A1	2001-08-23	Lee et al.	
	2	20020006428		2002-01-17	Mahmood et al.	
	3	20020009477		2002-01-24	Mahmood et al.	
	4	20020013627	A1	2002-01-31	Geistlich et al.	
	5	20020015719	A1	2002-02-07	Kellner et al.	
	6	20020022884	A1	2002-02-21	Mansmann	

Receipt date: 01/26/2010 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10729046	10729046 - GAU: 3774
	Filing Date		2003-12-05	
	First Named Inventor		Alexander M. Harmon	
	Art Unit		3774	
	Examiner Name		A. J. Stewart	
	Attorney Docket Number		022956-0235 (MIT5023)	

	7	20020151975	A1	2002-10-17	Farr et al.	
	8	20020177224		2002-11-28	Madry et al.	
	9	20030003153	A1	2003-01-02	Asculai et al.	
	10	20030012805		2003-01-16	Chen et al.	
	11	20030033021	A1	2003-02-13	Plouhar et al.	
	12	20030033022	A1	2003-02-13	Plouhar et al.	
	13	20030036801		2003-02-20	Schwartz et al.	
	14	20030050709	A1	2003-03-13	Noth et al.	
	15	20040059416		2004-03-25	Murray et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
-------------------	---------	--------------------------------------	-----------------------------	------------------------	------------------	---	--	----------------

Receipt date: 01/26/2010 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10729046	10729046 - GAU: 3774
	Filing Date		2003-12-05	
	First Named Inventor	Alexander M. Harmon		
	Art Unit	3774		
	Examiner Name	A. J. Stewart		
	Attorney Docket Number	022956-0235 (MIT5023)		

	1	1008193	GB	A	1965-10-27	Ethicon Inc		<input type="checkbox"/>
	2	0069355	WO	A1	2000-11-23	Allman Gregory		<input type="checkbox"/>
	3	0134065	WO	A1	2001-05-17	Cho Hong Goh James et al.		<input type="checkbox"/>
	4	02096268	WO	A2	2002-12-05	Imaging Therapeutics et al.		<input type="checkbox"/>
	5	9302718	WO	A1	1993-02-18	Coletica		<input type="checkbox"/>
	6	9311805	WO	A1	1993-06-24	MURST		<input type="checkbox"/>
	7	9608277	WO	A1	1996-03-21	Coletica et al.		<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	Dialog English language abstract for DE 19812195	<input type="checkbox"/>
	2	Examination file history of EP 01310810	<input type="checkbox"/>

Receipt date: 01/26/2010 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10729046	10729046 - GAU: 3774
	Filing Date		2003-12-05	
	First Named Inventor	Alexander M. Harmon		
	Art Unit	3774		
	Examiner Name	A. J. Stewart		
	Attorney Docket Number	022956-0235 (MIT5023)		

3	Ikada, Yoshito, Handbook of Fiber Science and Technology, Edited by Menachem Lewin, Jack Preston, Volume III, Part B, Chapter 8, pp. 253, 289-295, Published by M. Dekker, 1983	<input type="checkbox"/>
4	International Patent Classification A61L (7th Edition, 1999)	<input type="checkbox"/>
5	International Patent Classification D04B (7th Edition, 1999)	<input type="checkbox"/>
6	www.btc-bti.com/applications/cryogenicstorage.htm, 6 pgs, printed 1/11/10	<input type="checkbox"/>
7	www.bio-medicine.org/medicine-technology-1/New-Study-Shows-Cloning-From-Dried-Cells-Now-Possible-2988-1/, 2 pgs, printed 1/11/10	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Alvin Stewart/	Date Considered	01/28/2010
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.